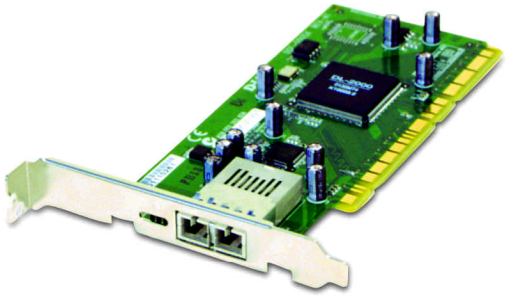
D-Link®

Product Specification

DGE-550SX

Fiber Gigabit Adapter

High-Bandwidth Fiber Gigabit Network Adapter



The DGE-550SX Fiber Gigabit adapter is a high-bandwidth network adapter.

The DGE-550SX Fiber Gigabit adapter is a high-bandwidth network adapter, providing up to 2000Mbps full-duplex bandwidth capacity to support high-end servers. This adapter delivers added performance to the network while working with the existing LAN infrastructure. In addition, with advanced functions like VLAN filtering and hardware-based Chip-Level IP (CLIP) packet processing, the adapter provides added performance, flexible configuration and secure networking to users in a standards-based environment.

High Performance

Delivering network speed up to 2000Mbps (full-duplex), the adapter brings ample bandwidth to servers. On-board verification of IP headers and TCP/UDP checksums for received data through built-in Chip-Level Internet Protocol (CLIP) offloads the server's overheads, making more of the server processing power available for the applications. This adapter uses the patented Jato Technology Propulsion algorithms to achieve dramatic increases in system throughput.

Support 32/64-bit PCI bus configuration

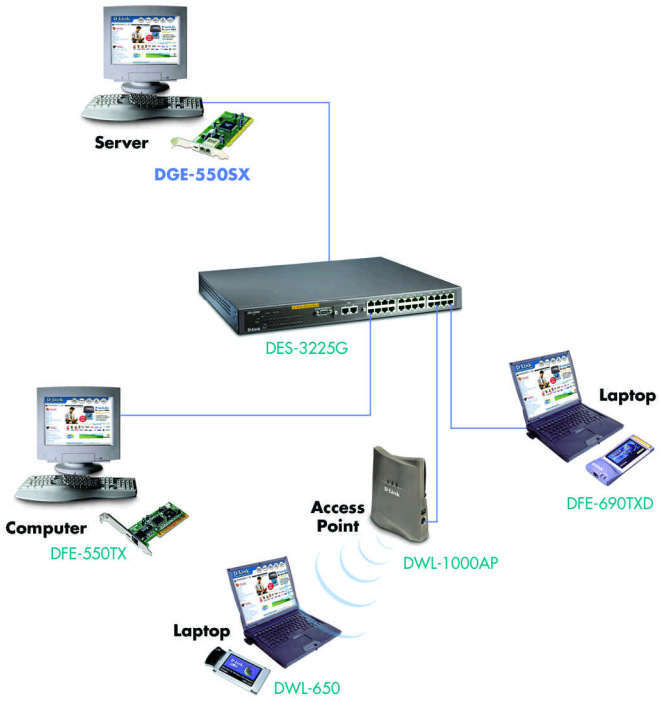
This adapter operates in 32-bit 33Mhz/64-bit 66MHz PCI slots. It auto-configures according to the different data path widths, while maintaining compatibility with various server configurations.

VLAN Support

The adapter provides on-board screening of VLAN tagged Ethernet frames compliant with IEEE 802.3. This allows the server to operate in a flexible and secure network configuration in a standards-based environment.

Complete 1000Mbps Solutions

D-Link provides complete 1000Mbps solutions for servers. Servers with DGE-550SX Gigabit Ethernet adapter installed inside can connect to a fiber backbone through a D-Link Gigabit switch inter-connecting different departments, or directly to a department through a D-Link 10/100Mbps switch with Gigabit support. An integral part of end-to-end solution, this adapter combines the benefits of high-end Gigabit performance.



The DGE-550SX provides faster performance, secures networking, and maintains compatibility.

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DGE-550SX

Fiber Gigabit Adapter

Key features	
1000Mbps network speed	
Full-duplex support	
32/64-bit PCI bus support	
1 multimode optical fiber SC connector	
Jumbo Frame support	
Compliant with PCI v2.1 interface	
Built-in Chip-Level Internet Protocol (CLIP) support	
High-level VLAN filtering function support	
Provides on-board verification of IP header and TCP/UDP checksum for data received	
Provides on-board screening of VLAN tagged Ethernet frames compliant with IEEE 802.3ac	
Compliant with IEEE 802.3z 1000Base-SX Gigabit Ethernet standards	
SC fiber optical connector compliant with Laser AEL Class I standard, safe for eyesight	
Transmission distance range	• 260meter in 62.5/125 micron-meter multi-mode fiber cable • 550meter in 50/125 micron-meter multi-mode fiber cable
Emission	• EMI Standard • FCC Class B • CE Class B • VCCI Class B
Easy-to-view LED	• Pwr (Power) • Link • Full (Full Duplex)
Physical Dimensions	6.5in x 3.74in
Power Consumption	5.58W
Environmental Requirements	• Operating Temperature: 0 - 50 degrees Celsius • Storage Temperature: -5 - 55 degrees Celsius • Humidity: 5% - 95% Non-Condensing
Software Support	• Windows XP • Windows 2000 • Windows ME • Windows 98/95 • Windows NT4.x, 5.x • Novell Netware 5.x, 4.x, 3.2 • Linux (kernel 2.2 and above) • Unix